

## UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG ELECTRIC LOGS FILE ☒ WATER SANDS LOCATION INSPECTED GAS SUB. REPORT/abd

\* Location Abandoned - Application rescinded - 4-4-83  
STATE 4-7-83

DATE FILED 4-17-82

LAND: FEE &amp; PATENTED

STATE LEASE NO

PUBLIC LEASE NO. U-15878

INDIAN

DRILLING APPROVED: ~~4-21-82~~ 4-22-82

SPUDDED IN:

COMPLETED:

PUT TO PRODUCING:

INITIAL PRODUCTION

GRAVITY A.P.I.

GOR

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED LA 4-4-83 4-7-83

FIELD: WILDCAT 3/86

UNIT:

COUNTY: GRAND

WELL NO. MIDDLE CANYON FEDERAL #10-24-16-23

API NO .43-019-30944

LOCATION 2033

FT. FROM (N) ☒ LINE.

1911

FT. FROM (E) ☒ LINE

SW NE

1/4 - 1/4 SEC. 24

TWP.

RGE.

SEC.

OPERATOR

TWP.

RGE.

SEC.

OPERATOR

16S

23E

24

COSEKA RESOURCES



**COSEKA RESOURCES (U.S.A.) LIMITED**  
2512 E 1/4 ROAD, P.O. BOX 399, GRAND JUNCTION, COLORADO 81502 (303) 245-6220

April 13, 1982

Utah Division of Oil, Gas & Mining  
4241 State Office Building  
Salt Lake City, Utah 84114

Re: Application for Permit to Drill  
Middle Canyon #10-24-16-23  
Grand County, Utah

**RECEIVED**  
APR 17 1982

**DIVISION OF  
OIL, GAS & MINING**

Dear Sirs:

Enclosed is the Application for Permit to Drill for the above captioned well. As we would like to begin operations immediately, anything you can do to expedite this permit would be greatly appreciated.

If you have any questions, please give me a call.

Sincerely,

*Stacy Stewart*

Stacy Stewart  
Field Services Administrator

SS/tdt

Enclosures

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-15878
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Coseka Resources (USA) Limited		7. UNIT AGREEMENT NAME Middle Canyon
3. ADDRESS OF OPERATOR P.O. Box 399, Grand Junction, CO 81502		8. FARM OR LEASE NAME Federal
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1,911' FEL, 2,033' FNL, Section 24, T16S, R23E, S.L.B. & M. At proposed prod. zone Same <i>SWNE</i>		9. WELL NO. 10-24-16-23
15. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 36.60 miles northwest of Mack, Colorado		10. FIELD AND POOL, OR WILDCAT Wildcat
16. NO. OF ACRES IN LEASE 1,120		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 24, T16S, R23E
17. NO. OF ACRES ASSIGNED TO THIS WELL 320		12. COUNTY OR PARISH Grand
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 6,974' Ungr.		13. STATE Utah
19. PROPOSED DEPTH 7,114'		20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) <i>Grand Mtn. - Morrison</i>		22. APPROX. DATE WORK WILL START* December 19, 1981

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8"	36#	200'	To surface
8 3/4"	7"	23#	3,100'	500' above pay or sufficient
6 1/8"	4 1/2"	11.6#	TD	to protect fresh water and coal resources.

## Attachments:

Exhibit "A" - Ten Point Compliance Program  
Exhibit "B" - B.O.P. Schematic  
Exhibit "C" - Proposed Production Layout  
Certified Survey Plat  
13 Point Land Surface Use Plan and Maps

**RECEIVED**  
APR 17 1982

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 4/21/82  
BY: [Signature]

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to ~~drill or deepen~~ drill or deepen on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED [Signature] FIELD SERVICES ADMINISTRATOR  
(This space for Federal or State office use) TITLE DATE Sept. 23, 1981

PERMIT NO. APPROVAL DATE  
APPROVED BY TITLE DATE  
CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-15878-A	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
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3. ADDRESS OF OPERATOR P.O. Box 399, Grand Junction, CO 81502		8. FARM OR LEASE NAME Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1,911' FEL, 2,033' FNL, Section 24, T16S, R23E, S.L.B. & M. At proposed prod. zone Same		9. WELL NO. 10-24-16-23	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 36.60 miles northwest of Mack, Colorado		10. FIELD AND POOL, OR WILDCAT Wildcat	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1,911'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 24, T16S, R23E	
16. NO. OF ACRES IN LEASE 1,120		12. COUNTY OR PARISH Grand	
17. NO. OF ACRES ASSIGNED TO THIS WELL 320		13. STATE Utah	
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21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6,974' Ungr.		22. APPROX. DATE WORK WILL START* December 19, 1981	

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Exhibit "A" - Ten Point Compliance Program  
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Exhibit "C" - Proposed Production Layout  
Certified Survey Plat  
13 Point Land Surface Use Plan and Maps

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED <u>Gary Roberts</u>		TITLE <u>Field Services Administrator</u>		DATE <u>Sept. 23, 1981</u>	
(This space for Federal or State office use)					
PERMIT NO. <u>NTD 100120</u>		APPROVAL DATE <u>FEB 10 1982</u>		FOR <u>E.W. GUYNN</u>	
APPROVED BY <u>NTD 100120</u>		TITLE <u>DISTRICT OIL &amp; GAS SUPERVISOR</u>		DATE <u>FEB 10 1982</u>	
CONDITIONS OF APPROVAL, IF ANY:					

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED  
TO OPERATOR'S COPY

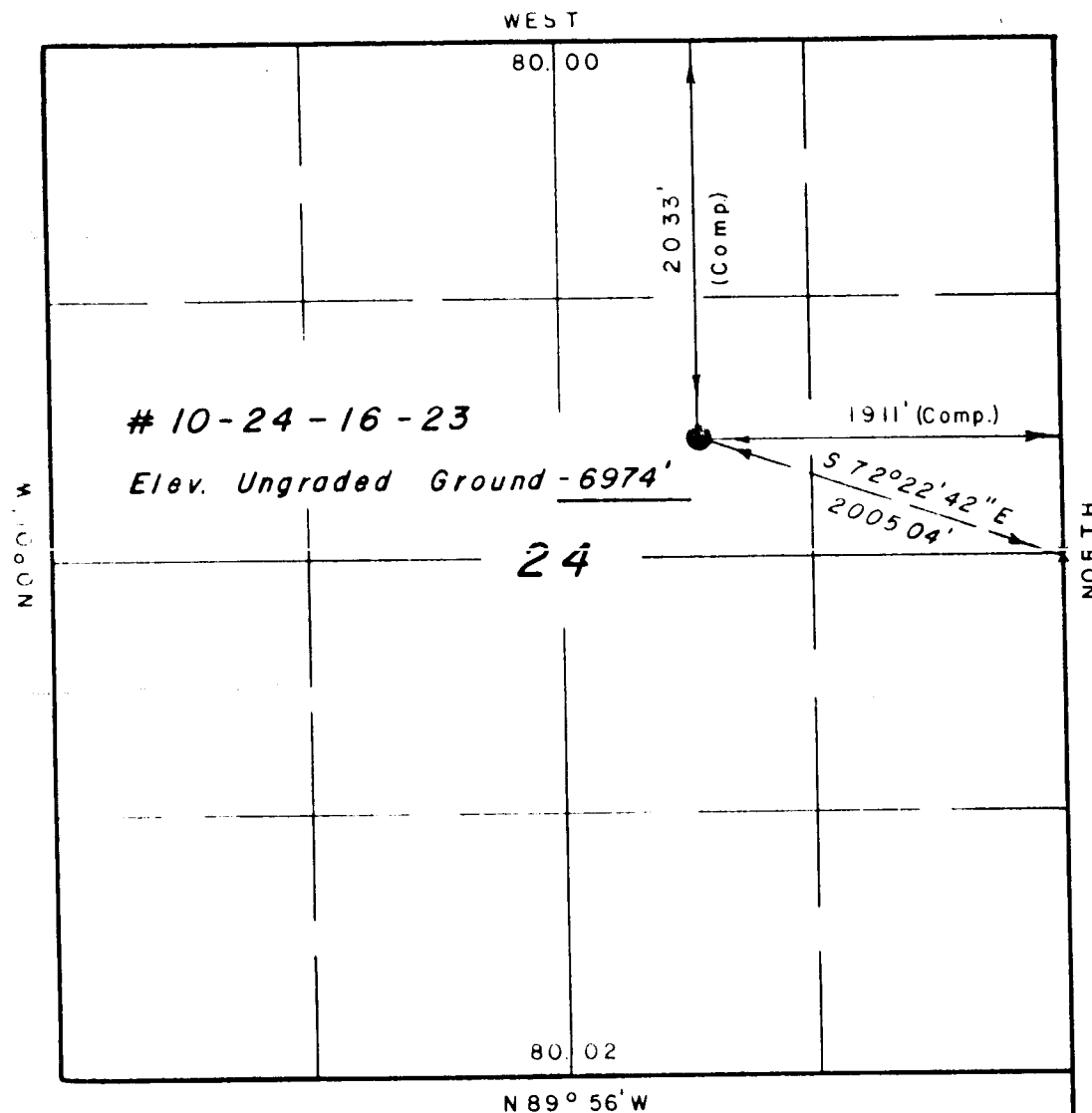
FLARING OR VENTING OF  
GAS IS SUBJECT TO NTL 4-A  
DATED 1/1/80

State of CO

*T 16 S, R 23 E, S.L.B. & M.*

PROJECT  
COSEKA RESOURCES U.S.A. LTD.

Well location, # 10-24-16-23,  
located as shown in the SW 1/4  
NE 1/4 Section 24, T16S, R 23 E,  
S.L.B. & M. Grand County, Utah.



CERTIFICATE

WE HEREBY CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM  
A SURVEY MADE BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION  
AND THAT THE SAME ARE TRUE AND CORRECT TO THE  
BEST OF MY KNOWLEDGE AND BELIEF.

*[Signature]*  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 3154  
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING  
P O BOX Q - 85 SOUTH - 200 EAST  
VERNAL, UTAH - 84078

SCALE	1" = 1000'	DATE	9/1/81
PARTY	G.S. T.J. B.J. S.B.	REFERENCES	GLO Plat
WEATHER	Partly Cloudy & Warm	FILE	COSEKA

X = Section Corners Located

SW Corner Section 30, T16S, R24E, S.L.M. → X

# 10-24-16-23

• PROPOSED LOCATION

TOPO.

MAP "A"



SCALE - 1" = 4 MI.

PROPOSED  
LOCATION

GRAND JUNCTION  
35.2 MILES

R20 E

R21 E

R 22 E

R 23 E

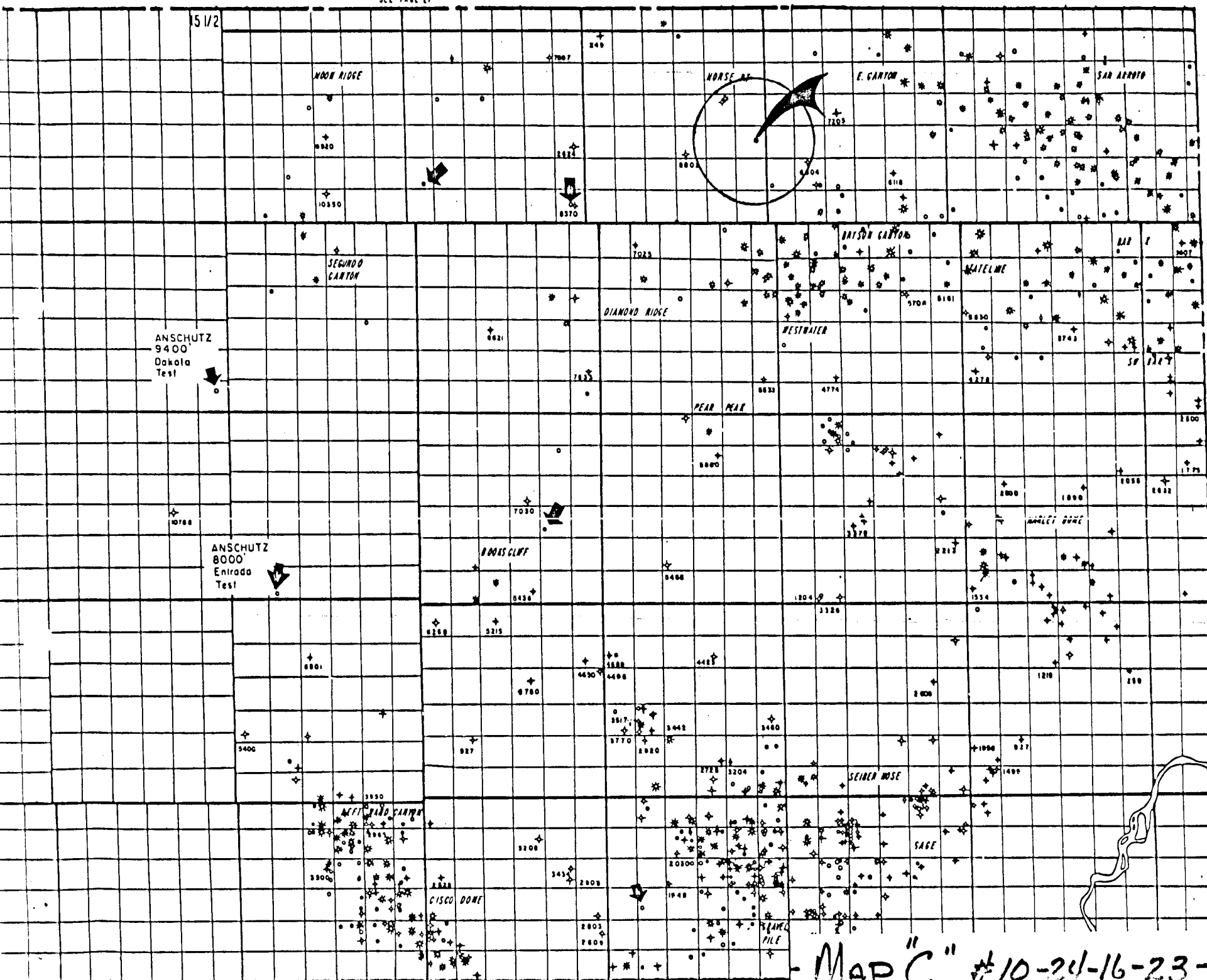
R 24 E

R 25 E

R 26 E

SEE PAGE 21

15 1/2

T  
15 1/2  
ST  
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S

- Map "C" #10-24-16-23 -

United States Department of the Interior  
Geological Survey  
2000 Administration Bldg.  
1745 West 1700 South  
Salt Lake City, Utah 84104

NEPA CATEGCRICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator Coseka Resources  
Project Type Gas Well - Wildcat  
Project Location 1911' FEL & 2033' FNL - Sec. 24, T. 16S, R. 23E  
Well No. 10-24-16-23 Lease No. U-15878-A  
Date Project Submitted September 28, 1981

FIELD INSPECTION

Date October 28, 1981

Field Inspection  
Participants

Craig Hansen - USGS, Vernal

Elmer Duncan - BLM, Moab

Kevin Cleary - BLM, Moab

Gary Roberts - Coseka Resources

Forrest Bird - Dirt Contractor

Related Environmental Documents: \_\_\_\_\_

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

1-28-81  
Date Prepared

Craig Hansen  
Environmental Scientist

I concur

FEB 03 1982

Date

W. P. Martin

District Supervisor

FOR E. W. GUYNN  
DISTRICT OIL & GAS SUPERVISOR

Typed In 10-30-81

Typing Out 11-2-81



# CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

Criteria 516 DM 2.3.A	Federal/State Agency			Local and private corre- spondence (date)	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
	Corre- spondence (date)	Phone check (date)	Meeting (date)						
Public health and safety	B/m 1-28-82							10-28-81	
Unique charac- teristics	-						2	2,4,6	
Environmentally controversial	/						2	2,4,6	
Uncertain and unknown risks	/						2	2,4,6	
Establishes precedents							2	2,4,6	
Cumulatively significant							2	2,4,6	
National Register historic places	/								
Endangered/ threatened species	/								
Violate Federal, State, local, tribal law	/								

# CATEGORICAL EXCLUSION REVIEW COMMON REFERENCE LEGEND

1. Surface Management Agency Input
2. Reviews Reports, or information received from Geological Survey  
(Conservation Division, Geological Division, Water Resource Division,  
Topographic Division)
3. Lease Stipulations/Terms
4. Application Permit to Drill
5. Operator Correspondence
6. Field Observation
7. Private Rehabilitation Agreement



Coseña #  
10-24-16-23 north



# United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Moab District  
Grand Resource Area  
P. O. Box M  
Moab, Utah 84532

IN REPLY REFER TO

3109  
U-15878-A  
(U-068)

JAN 22 1982

## Memorandum

To: Oil & Gas Office, USGS Conservation Division,  
P. O. Box 1037, Vernal, Utah

From: Area Manager, Grand

Subject: Coseka Resources Limited (APD)  
Fed. 10-24, Lease U-15878-A  
SW $\frac{1}{4}$ NE $\frac{1}{4}$  Section 24, T. 16 S., R. 23 E. SLB&M  
Grand County, Utah

On October 28, 1981, a representative from this office met with Cody Hansen, USGS, and Gary Roberts agent of Coseka Resources Limited for an inspection of the above referenced location. Subject to the attached conditions, I am approving the surface management portion of the Application for Permit to Drill.

The archaeological requirement has been fulfilled on this location. No threatened or endangered flora or fauna are indicated in the area.

Please forward the enclosed information to Coseka Resources Limited.

**ACTING** *W. R. Dawson*

Enclosures (4)  
1-Reclamation Procedures  
2-Seed Mixture  
3-Suggested Colors - Production Facilities  
4-Class II Roads - Survey & Design

ADDITIONS TO THE MULTIPOINT  
SURFACE USE PLAN  
AND  
RECLAMATION PROCEDURES

CONSTRUCTION:

1. The operator or his contractor will contact the Grand Resource Area Office in Moab, Utah (phone (801) 259-6111) 48 hours prior to beginning any work on public land.
2. The dirt contractor will be furnished with an approved copy of the surface use plan and any additional BLM stipulations prior to any work.
3. Use of water from sources such as wells, springs, streams or stock ponds for activities associated with this well will be approved, prior to use, by the agency or individual holding the water right.
4. If subsurface cultural material is exposed during construction, work in that spot will stop immediately and the Grand Resource Area Office will be contacted. All employees working in the area will be informed by the operator that they will be subject to prosecution if they are caught disturbing archaeological sites or picking up artifacts. Salvage or excavation of identified archaeological sites will only be done if damage occurs.
5. Improvement to the existing road will be necessary. The total disturbed width allowed will be 30 feet. The allowable travel surface will be 20 feet. Road stipulation(s) on right-of-way U-49734 will be applicable to the access in Middle Canyon Unit and on Lease U-15878-A.

New road construction will be limited to an allowable travel surface width of 20 feet. For construction design and survey refer to Class II road standards attachment. Low water crossings or culverts will be installed in each drainage as needed. Road will be constructed along the southwest side of the canyon in sections 19 and 24 and above the existing gas pipeline. Road will be constructed out of the canyon bottom.

Trees four inches and over in diameter will be bucked into four foot lengths and stockpiled along the road. Rest of the trees and shrubs removed from the access route will be wind-rowed along the route, preferably along the up-slope side where possible.

Topsoil will be saved along the route between the trees and the road where topography will permit.

Surface disturbance and vehicular travel will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.

Surfacing material will not be placed on the access road or location without prior BLM approval.

6. Location: The well pad will be 215 feet wide by 300 feet long. The southeast and southwest corners of the pit(s) will be rounded off by 20 feet to reduce the cut on the pad. An area 1.5 cat blades wide will be cleared to mineral soil behind the blooie pit in the south west corner of the pad.
7. The top 12 inches of soil material will be removed from the location and windrowed separate from the trees on the northeast quadrant of the location.

Trees and vegetation will be removed from the pad and piled behind the topsoils in he northeast quadrant.
8. The reserve pit will not be lined with commercial bentonite or plastic sufficient to prevent seepage. Keyway. The reserve pit banks will be 1.5 to 2.0 feet above pad and constructed in 8 inch lifts, machinery compacted, and sufficiently wide for equipment to pass over.
9. Three sides of the reserve pit will be fenced before drilling starts. The fourth side will be fenced as soon as the drilling is completed. The fence will be kept in good repair while the pit is drying. The fence will be 36 inch highwoven wire with two strands of barbed wire along the top for support.

## Rehabilitation

1. Immediately upon completion of drilling, the location and surrounding area will be cleared of all debris resulting from the operation. All trash will be disposed of in the trash cage. Non-burnable debris will be hauled to a local town dump site.
2. The operator or his contractor will contact the Grand Resource Area BLM office in Moab, Utah, phone (801) 259-6111, 48 hours prior to starting rehabilitation work that involves earthmoving equipment and upon completion of restoration measures.
3. Before any dirt work to restore the location takes place, the reserve pit must be completely dry and any trash (barrels, metal etc.) it contains must be removed from public lands.
4. All disturbed areas will be recontoured to blend as nearly as possible with the surrounding area.
5. The stockpiled topsoil will be evenly distributed over the disturbed area.
6. All disturbed areas will be scarified with the contour to a depth of six inches. Do not smooth pads out, leave a roughened surface.
7. Seed will be (broadcast/drilled) at a time to be specified by the BLM with the enclosed seed prescription. When broadcast seeding, a harrow or some such implement will be dragged over the seeded area to assure seed cover. Broadcast seed will be applied at two times the rate (pounds/acre) shown on the attached seed mixture.
8. After seeding is complete the stockpiled trees will be scattered evenly over the disturbed areas and walked down with a dozer.
9. Waterbars will be used and installed on all sloping surfaces as shown below:

<u>Grade</u>	<u>Spacing</u>
2%	200 feet spacing
2-4%	100 feet spacing
4-5%	75 feet spacing
+5%	50 feet spacing

## Production

1. The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed in the methods described in the rehabilitation section. Any remaining stockpile of topsoil will be seeded in place using the prescribed seed mixture.
2. All above-ground production facilities will be painted using the attached suggested colors.
3. The access will be to the design of a Class II road.
4. If oil is produced and storage tanks are placed on the pad, a three foot dike will be placed around the tanks to contain the gallons the tanks will hold plus 25 percent.

The truck loading valves will be on the inside of the berm.



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

IN REPLY REFER TO

### SUGGESTED COLORS TO PAINT OIL & GAS PRODUCTION FACILITIES

#### Cisco Desert and Flats below the Bookcliffs:

Dynasty Green	(Sears)
Tumbleweed	(Pratt & Lambert)
Desert Tan	-----
Sage Gray	(Pratt & Lambert)

#### Bookcliffs Region:

Sage Gray	(Pratt & Lambert)
Sea Life	(Pratt & Lambert)
Dynasty Green	(Sears)

Similar hues other than the ones mentioned above must be approved by the Grand Resource Area Manager.



# SEED MIXTURE

Species		Rate
Grasses		lbs/acre
Oryzopsis hymenoides	Indian rice grass	2
Bromus inermis	Smooth broome grass	2
Elymus salinus	Rye grass	2
Forbs		
Medicago sativa	Ladak alfalfa	1
Browse		
Purshia tridentata	Bitterbrush	2
Cowania mexicana	Cliffrose	2
Ephedra vicidiflorus	Mormon tea	1
Cercocarpus montanus	Mountain mahogany	<u>1</u>
		13

Broadcast seed will be applied at two times the above pounds per acre.

Seed will be applied during the fall of the year (Oct. - December)

Exhibit "A"

Ten Point Compliance Program

NTL-6

Attached to Form 9-331C  
Well #10-24-16-23  
Grand County, Utah

1. The geological name for the surface formation is the Green River Formation of Middle Eocene Age.
2. The estimated tops of important geological markers with depths calculated from an estimated RKB elevation of 6,974' are as follows:

Mesa Verde	2,536'
Mancos	2,601'
Castlegate SS	2,684'
Mancos "B"	3,409'
Base Mancos "B"	4,204'
Dakota	6,354'
Cedar Mtn. Morrison	6,564'
Total Depth	7,114'

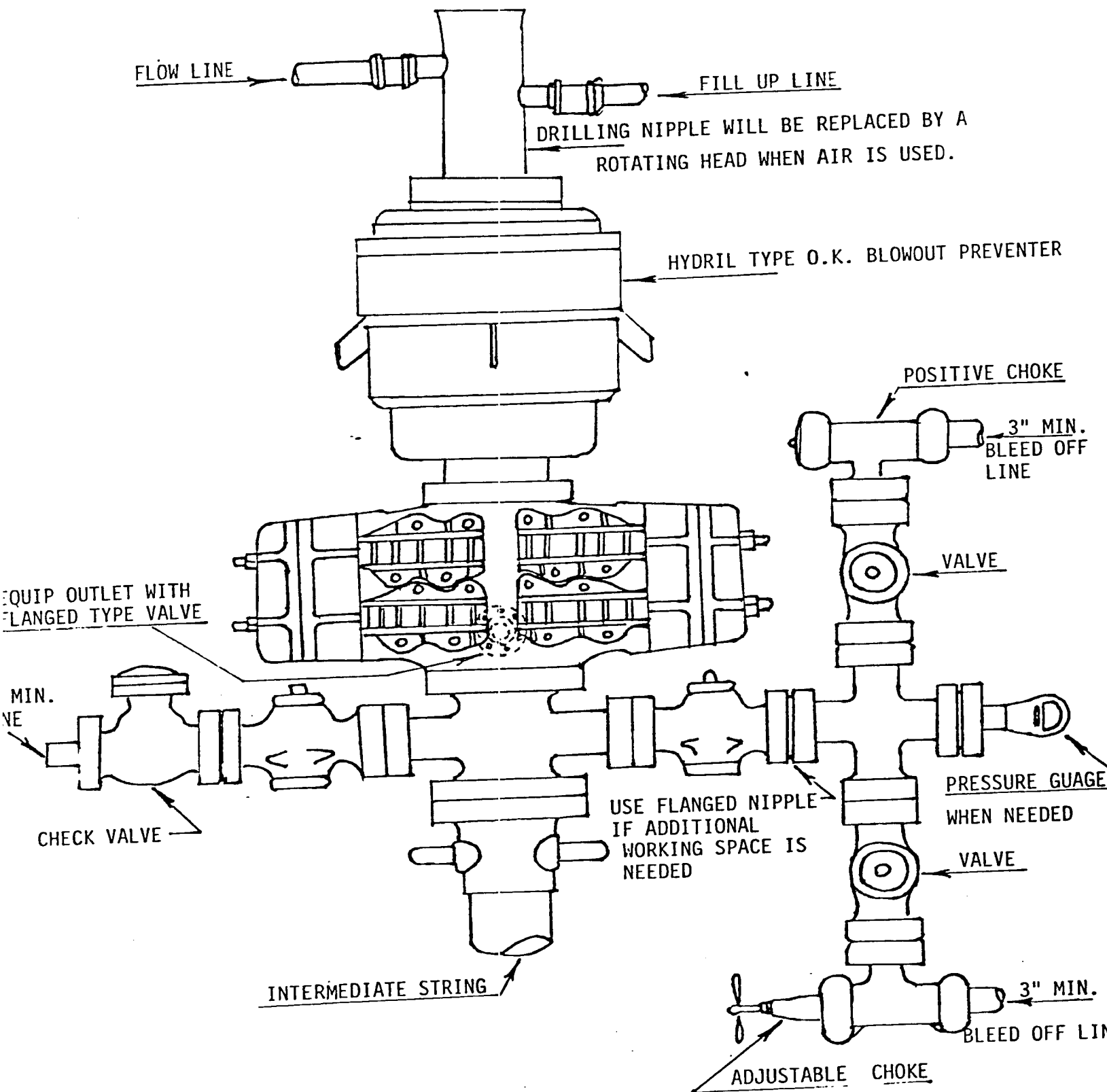
3. Of the formations listed above it is anticipated that the Dakota, Morrison and Mancos "B" formations may be gas bearing in the well.
4. The proposed casing program for completion of this well will consist of 4 1/2", 11.6#, N-80 new casing; intermediate casing will consist of 7", 23# new casing and will be run to 3,100'; 200' of 9 5/8", 36#, H-40 surface casing will be run and will be new.
5. The operator's minimum specifications for pressure control equipment are as follows:

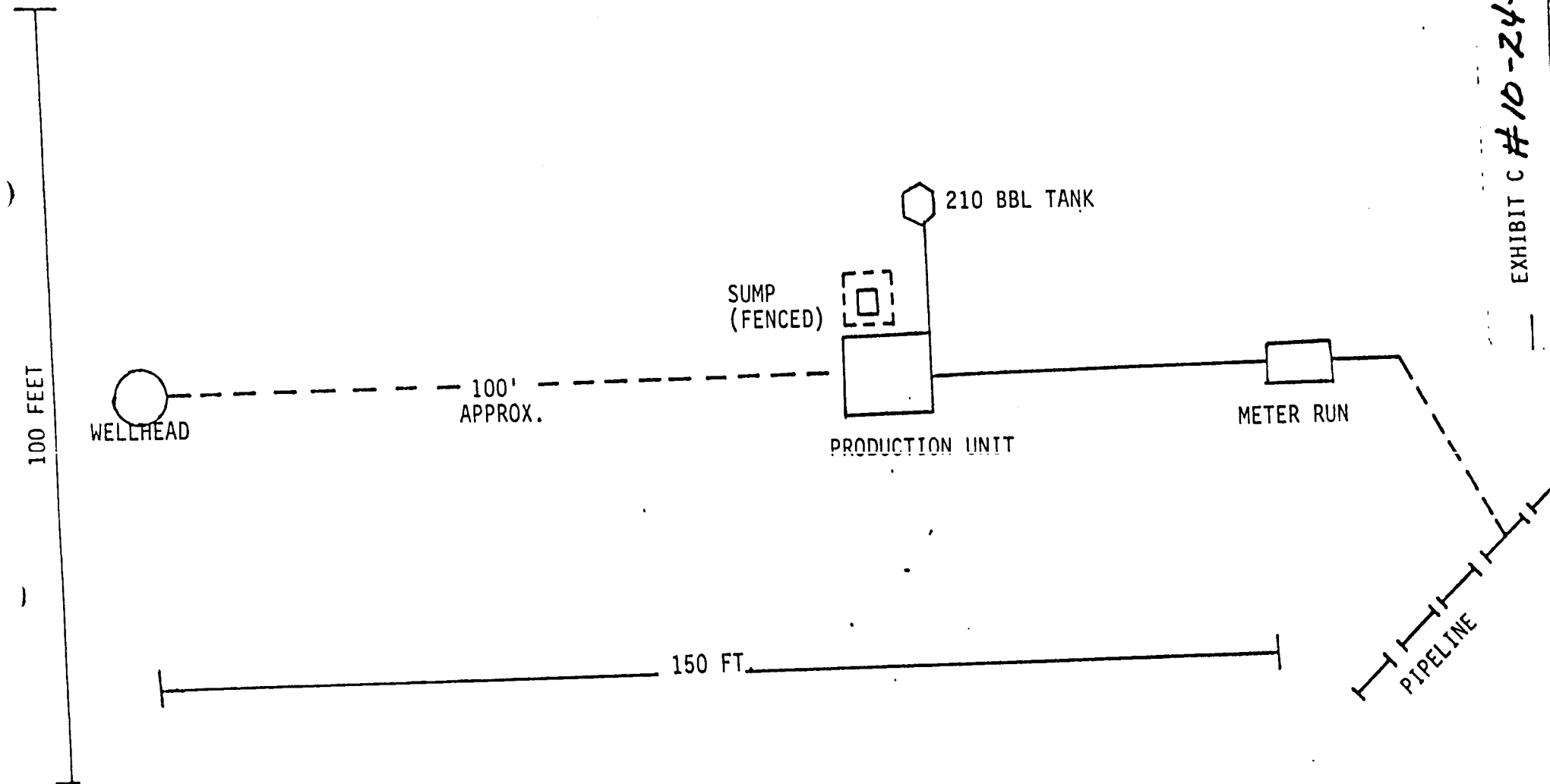
A 10" Series 900 Hydril Bag type BOP and a 10" Double Ram Hydraulic unit with a closing unit will be utilized. Additionally, while air drilling, a Series 900 Rotating Head will be used. Pressure tests of BOP's to 1000# will be made after installation and operation and will be checked daily. (See Exhibit "B")

6. It is proposed that the hole will be drilled to the top of the Mancos with air and mist as necessary in order to clean the hole. From the Mancos to Total Depth it is planned to drill the well with air or air mist.

7. Auxiliary equipment to be used will be a Kelly Cock and a Float at the Drill bit.
8. No coring or drill stem testing has been scheduled for this well. The logging will consist of a dual induction laterolog and a compensated neutron formation density log.
9. It is not anticipated that abnormal pressures or temperatures will be encountered nor that any other abnormal hazards such as H<sub>2</sub>S gas will be encountered in this area.
10. It is anticipated that this well will be commenced approximately December 19, 1981 and that the operations will last two weeks.

NORMAL FORMATION PRESSURES AND TEMPERATURES ARE EXPECTED AND  
BOP EQUIPMENT WILL BE 900 SERIES 3000 PSI WP.





PRODUCTION LAYOUT

Coseka Resources (U.S.A.) Limited

13 Point Surface Use Plan

for

Well Location

#10-24-16-23

Located in

Section 24, T16S, R23E, S.L.B.& M.

Grand County, Utah

## 1. Existing Roads

- A. For the location of the proposed well and the existing roads, see the attached Topographic Maps "A" and "B". The proposed well is located in the SW 1/4 NE 1/4 Section 24, T16S, R23E, S.L.B. & M. See well plat.
- B. The proposed location is approximately 36.60 miles northwest of Mack, Colorado. To reach Coseka Resources Well #10-24-16-23, proceed west from Mack, Colorado on the frontage road for 15.0 miles. Turn right on the Westwater Canyon Road for 11.5 miles. Proceed north on the Middle Canyon Road for 7.4 miles to the proposed access road sign. The flagged location is 2.7 miles northwest of the sign.
- C. The proposed route is outlined on Topographic Map "A"
- D. See Topographic Map "B".
- E. Not applicable.
- F. Access to the well site will be over existing county and BLM roads. No private roads will be used. County and BLM roads will be regularly maintained by grading, crowning and ditching at least once a year or when necessary. The proposed access road will be crowned and ditched so as to accommodate rig traffic. See Topo Map "B" for details of the existing access road.

## 2. Planned Access Roads

See attached Topographic Map "B".

The planned access road will be approximately 2.7 miles in length and will comply with the general specifications as outlined.

- (1) The proposed access road will be an 18' crown road usable (9' either side of the centerline) with drain ditches along either side of the proposed road where it is determined necessary in order to handle any run-off from any normal weather conditions that are prevalent to this area.
- (2) The maximum grade of the proposed access road will be 10%. See Topo Map "B" for details of maximum grades and drainage crossings.
- (3) No turnouts are planned for the length of the proposed access road, so that additional cut disturbance on the proposed access can be kept to a minimum.
- (4) Drainage design of the proposed access road will avoid unnecessary disturbance of natural runoff patterns; however, because of the character of the terrain, several runoff drainages will be impacted. Drainage will be implemented so as not to cause siltation or accumulation of debris. Depending upon soil and precipitation factors, drainage dips will be incorporated where appropriate. Where drainages are crossed, low water crossings will be utilized as outlined in BLM/USGS, Surface Operating

Standards, p. 25, whenever possible. If low water crossings are deemed not feasible, culverts will be installed as outlined in Surface Operating Standards, p. 22. 23. No culverts are currently planned.

- (5) Surfacing material shall be the native borrow material from the cut areas and will be used to stabilize the road surface and location. No other material for construction is anticipated.
- (6) If fences are encountered along the proposed access road, cattleguards and/or gates will be installed. The cattleguards will have a loading factor large enough to facilitate the heavy trucks required in the drilling and completion of this well.
- (7) The road has been center-line flagged for the full distance of the proposed route.

### 3. Location of Existing Wells

See Map "C". For information purposes, the following wells are within a two mile radius of the proposed well.

- (1) Water wells - None
- (2) Abandoned wells - T16S, R23E, Section 14: SW 1/4 NE 1/4  
T16S, R24E, Section 29: NE 1/4 NW 1/4
- (3) Temporarily abandoned wells - None
- (4) Disposal wells - None
- (5) Drilling wells - None
- (6) Producing wells - T16S, R23E, Section 14: NW 1/4 NE 1/4
- (7) Shut-in wells - None
- (8) Injection wells - None
- (9) Monitoring wells - None

### 4. Location of Existing and Proposed Facilities

A. There are no existing production facilities located within one mile of the proposed well. See Topographic Map "B".

- (1) Tank batteries - None
- (2) Production facilities - None
- (3) Oil gathering lines - None
- (4) Gas gathering lines - None



(5) There are no injection lines in the area.

(6) There are no disposal lines in the area.

There are no known gas lines in the immediate area.

- B. Due to the exploratory nature of the Coseka Resources drilling program, we are unable to anticipate any production. However, the attached Exhibit "C" shows the proposed production facilities that will be utilized in the event commercial gas is encountered. All production facilities will be kept on the pad. The off-location gas gathering line will be proposed and plans submitted after the well is completed and tested.

Construction materials will be native borrow or cut exposed on the site, and will be consistent with accepted oil field standards and good engineering practices.

A three strand barbed wire fence will be constructed and maintained around any disposal pits during the drilling and completion phase of the well. When these pits are no longer needed and have been allowed to dry, they will be covered over with native borrow material and rehabilitated to conform with the provisions of the rehabilitation agreement of BLM standards. A welded pipe fence will be constructed around the wellhead to prevent access to livestock or larger wildlife.

- C. Rehabilitation of the pits is discussed above. The remaining pad not used for producing operations will be recontoured to conform with the natural grade and covered with topsoil stockpiled on the site. This area will be reseeded as per current BLM guidelines.

#### 5. Location and Type of Water Supply

- A. Water to be used to drill this well will be hauled by truck from the Westwater Creek Pond - T17S, R24E, Section 5: NW 1/4 NE 1/4. Coseka Resources is negotiating a water agreement with Frank P. Spadafora.
- B. Water will be hauled by trucks on the above described access route. See route on Topographic Map "A". No new roads or pipelines will be needed for this purpose.
- C. No water well will be drilled.

#### 6. Source of Construction Materials

- A. All construction materials for this location site and access road shall be native borrow rock and soil accumulated during the construction. No additional road gravel or pit lining materials are anticipated at this time, but if they are required, appropriate action will be taken to acquire them from private sources after notification is given to the proper regulatory agencies.
- B. Items described in part "A" are from Federal lands.

C. See part "A".

D. No other access roads are required other than described in Item 2.

## 7. Methods for Handling Waste Disposal

See Location Layout for the size and location of the reserve pit and the location of the fine mesh wire trash cage. Excess "cut" material will be stockpiled as marked on the Location Layout Sheet.

- (1) Drill cuttings, drilling fluids, salts, chemicals and produced fluids will be disposed of in the reserve pit on the location pad. This pit will be approximately 8 feet deep and at least one half of this pit will be used as a fresh water storage during the drilling of the well. The disposal and storage areas shall be separated by a dike. Dust produced during the air drilling phase shall be suppressed by inserting a water hose with a spray nozzle into the 7" flow line. A water mist will be continuously injected into the dust stream during the dusting phase of the drilling.
- (2) See Item 1 above for disposal of drilling fluids.
- (3) See Item 1 above for disposal of produced water. Any oil produced after the well is connected to a pipeline will be collected in a tank on location and trucked for sale to the buyer to be determined at that time. No oil production is anticipated from this well.
- (4) A portable chemical toilet will be provided for human waste during the drilling phase.
- (5) Garbage and other waste material will be contained in a trash cage and hauled away by truck to a disposal site provided by Galley Construction in Grand Junction, Colorado.
- (6) Immediately after the drilling rig moves off the location, the remaining trash and garbage will be collected and hauled away by truck. The reserve pit will be fenced on the open side to protect domestic animals and wildlife. This pit will be utilized during the completion and testing phase of the well for storage of produced fluids. As soon as the testing is completed, the pit will be covered. The drilling pad will then be reclaimed as detailed in Item 10 discussed below.

## 8. Ancillary Facilities

No airstrips or camps are planned for this well.

## 9. Well Site Layout

See attached Location Layout Sheet which shows the following items:

- (1) Cross section of the pad showing details of the cuts and fills.

- (2) Location of the reserve and blooey pits, pipe racks, living facilities and topsoil stockpile and excess "cut" stockpile.
- (3) Rig orientation, parking areas and access road.
- (4) All pits will be unlined unless it is determined by the representatives of the agencies involved that the pad materials are too porous and would not prevent contamination to the surrounding area; then the pits will be lined with a bentonite gel or other materials necessary to make them impermeable.

#### 10. Plans for Restoration of Surface

In the event of a dry hole, pits will be allowed to dry and will then be backfilled and waste pits will be backfilled. The location will be restored to as near the original contour as feasible and then reseeded.

- (1) Upon completion of the testing phase of the well and prior to the pipeline hookup, the areas not needed for access to the well and used for producing operations shall be filled and recontoured to blend with the surrounding topography and the stockpiled soil redistributed over the unused disturbed area. After final plugging and abandonment of the well, the entire disturbed area will be contoured and topsoil spread over any previously disturbed area.
- (2) The revegetation of the drill site area and access not needed to carry on production operations will be reseeded with a seed mixture recommended by the BLM District Manager. It will be performed at a time of the year when the moisture content of the soil is adequate for germination. The Lessee agrees that all of the clean-up and restoration activities shall be done in a diligent and timely manner and in conformity with the above mentioned Items 7 and 10 (1).
- (3) All pits will be fenced prior to disposal of any waste material and the open side of the reserve pit will be fenced before removing the rig from the location. The fences will be maintained in good condition until Item (1) is started.
- (4) Any oil or condensate in any temporary pit will be removed in a timely manner. Overhead flagging or netting will be installed on any sump pit used to handle well fluids during the producing life of the well.
- (5) Restoration activities shall begin within 90 days after the completion of the well. Once completion activities have begun, they shall be completed within 30 days. All wellhead and surface equipment will be painted to blend with the environment according to BLM recommendations.

## 11. Other Information

The topography of the general area is mountainous and cut with numerous canyons. The Green River shale is a weather resistant cap which has produced the flat-top nature of the area. The soils in this semi-arid area are of the Green River formation (Middle Eocene) and the Wasatch formation (Lower Eocene) consisting of light brownish-gray clays (OL) to sandy soils (SM-ML) with poorly graded gravels. Out crops of sandstone ledges, conglomerate deposits and shale are common in this area. The topsoils in the area range from sandy clay (SM-ML) to clayey (OL) soil.

Vegetation in the area consists of juniper and pinon pine forests as the primary flora with areas of sagebrush, rabbit brush, some grasses and cacti. Removal of the trees and brush in the area will be required on the proposed access route and in the pad area, but will be kept to a minimum and conform to BLM regulations.

Fauna of the area consists of a migrating mule deer population, coyotes, bear, rodents, birds, and fauna connected with a high altitude environment. Access to the well is across Federal leases. Surface administration or ownership lies with the Bureau of Land Management.

The majority of the washes and streams in the area are of a non-perennial nature flowing during the early spring runoff or during extremely heavy rainstorms, which are extremely rare. The normal annual rainfall in the area is only 8". The only live water stream within 5 miles of the well site is the Middle Canyon Creek.

There are no occupied dwellings and ranch facilities in the general area. There are no visible archaeological, historical and cultural sites within reasonable proximity of the proposed location site. However, the location itself has been cleared of cultural resources by the firm of Gordon & Kranzush, and the Cultural Resource completion report has been sent to the BLM.

## 12. Lessee's or Operator's Representative

Stacy Stewart, Field Services Adm.  
Coseka Resources (U.S.A) Ltd.  
P.O. Box 399  
Grand Junction, Colorado 81502

(303) 245-6220 (Office)  
(303) 241-0557 (Home)

Gary Roberts, Field Services Adm.  
Coseka Resources (U.S.A.) Ltd.  
P.O. Box 399  
Grand Junction, Colorado 81502

(303) 245-6220 (Office)  
(303) 241-5834 (Home)

13. Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access routes; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct, and that the work associated with the operations proposed herein will be performed by Coseka Resources (U.S.A) Limited and its contractors and sub-contractors in conformity with this plan and terms and conditions under which it is approved.

Sept. 23, 1981  
Date

Gary Roberts  
Gary Roberts, Field Services Administrator

**\*\* FILE NOTATIONS \*\***

DATE: 4-20-82  
OPERATOR: Coscha Resources (U.S.A.) Limited  
WELL NO: Middle Canyon Federal 10-24-16-23  
Location: Sec. 24 T. 16 S R. 23E County: Grand  
File Prepared: ☒ Entered on N.I.D: ☒  
Card Indexed: ☒ Completion Sheet: ☒  
API Number 43-019-30944

**CHECKED BY:**

Petroleum Engineer: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
Director: VW  
\_\_\_\_\_  
\_\_\_\_\_  
Administrative Aide: Unit Well  
\_\_\_\_\_  
\_\_\_\_\_

**APPROVAL LETTER:**

Bond Required: ☐ Survey Plat Required: ☐  
Order No. \_\_\_\_\_ O.K. Rule C-3 ☐  
Rule C-3(c), Topographic Exception - company owns or controls acreage  
within a 660' radius of proposed site ☐  
Lease Designation Ind. Plotted on Map ☒  
Approval Letter Written ☐  
Hot Line ☒ P.I. ☒

April 22, 1982

Coseka Resources (USA) Ltd.  
P. O. Box 399  
Grand Junction, Colo. 81502

RE: Well No. Federal #10-24-16-23  
Sec. 24, T. 16S, R. 23E,  
Grand County, Utah

Insofar as this office is concerned, approval to drill the above referred to gas well is hereby granted in accordance with Section 40-6-11, Utah Code Annotated 1953; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

CLEON B. FEIGHT  
Office: 533-5771  
Home: 466-4455

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-019030944.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Cleon B. Feight  
Director

CBF/db  
CC: Minerals Management Service  
Enclosure



STATE OF UTAH  
NATURAL RESOURCES & ENERGY  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

November 19, 1982

Coseka Resources, Inc.  
P. O. Box 399  
Grand Junction, Colorado 81502

Re: See attached sheet

Gentlemen:

In reference to the above mentioned wells, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill these wells, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If you plan to drill these locations at a later date, please notify as such.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

Cari Furse  
Clerk Typist

CF/cf



Well No. Federal #10-24-16-23  
Sec. 24, T. 16S, R. 23E.  
Grand County, Utah

Well No. Federal #13-13-16-24  
Sec. 13, T. 16S, R. 24E.  
Grand County, Utah

Well No. Black Horse #14-2-15-23  
Sec. 2, T. 15S, R. 23E.  
Uintah County, Utah

Well No. Main Canyon #16-4-15-23  
Sec. 4, T. 15S, R. 23E.  
Uintah County, Utah

Well No. Main Canyon Fed. #1-10-15-23  
Sec. 10, T. 15S, R. 23E.  
Uintah County, Utah

Well No. Fedearl #16-10-15-23  
Sec. 10, T. 15S, R. 23E.  
Uintah County, Utah

Well No. Main Canyon Federal #16-19-15-23  
Sec. 19, T. 15S, R. 23E.  
Uintah County, Utah



**COSEKA RESOURCES (U.S.A.) LIMITED**  
2512 E 1/4 ROAD, P.O. BOX 399, GRAND JUNCTION, COLORADO 81502 (303) 245-6220

January 31, 1983

State of Utah  
Division of Oil, Gas and Mining  
4241 State Office Building  
Salt Lake City, Utah 84114

Attn: Cari Furse

Re: Well Status  
See attached list

Ms. Furse: re:

Enclosed please find Well Completion Reports for three wells listed in your letter of 11/19/82.

The remainder of the wells listed have not been drilled and at this time it is uncertain whether they will be drilled in the future.

If there are any questions concerning these wells, please contact this office.

Sincerely,  
Elizabeth Petersen

*Elizabeth Petersen*  
Elizabeth Petersen, Secretary  
Coseka Resources (USA) Limited

EP/ep

Enclosures

FEB 03 1983

DIVISION OF  
OIL, GAS & MINING

WELL COMPLETE REPORTS

Well No. Federal #13-13-16-24  
Sec. 13, T16S, R24E  
Grand County, Utah

Well No. Black Horse #14-2-15-23  
Sec. 2, T15S, R23E  
Uintah County, Utah

Well No. Main Canyon #16-4-15-23  
Sec. 4, T15S, R23E  
Uintah County, Utah

WELLS NOT DRILLED

Well No. Federal #10-24-16-23  
Sec. 24, T16S, R23E  
Grand County, Utah

Well No. Main Canyon #1-10-15-23  
Sec. 10, T15S, R23E  
Uintah County, Utah

Well No. Federal #16-10-15-23  
Sec. 10, T15S, R23E  
Uintah County, Utah

Well No. Main Canyon #16-19-15-23  
Sec. 19, T15S, R23E  
Uintah County, Utah

Oil and Gas Operations  
2000 Administration Building  
1745 West 1700 South  
Salt Lake City, Utah 84104

April 4, 1983

Coseka Resources (USA) Limited  
P. O. Box 399  
Grand Junction, Colorado 81502

Re: Rescind Application for Permit to  
Drill  
Well No. 10-24-16-23  
Section 24, T. 16 S., R. 23 E.  
Grand County, Utah  
Middle Canyon Unit  
Lease U-15878-A

Gentlemen:

The Application for Permit to Drill the referenced well was approved on February 10, 1982. Since that date no known activity has transpired at the approved location. Under District policy, applications for permit to drill are effective for a period of one year. In view of the foregoing this office is rescinding the approval of the referenced application without prejudice. If you intend to drill at this location at a future date, a new application for permit to drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved location of the well will be rehabilitated. A schedule for this rehabilitation must then be submitted to this office. Your cooperation in this matter is appreciated.

Sincerely,

(ORIG. SGD.) W. P. MARTENS  
Drilling Unit Supervisor

*E. W. Guynn*  
District Oil and Gas Supervisor

bcc: SMA  
State O&G  
State BLM  
Vernal  
Well File  
APD Control

WPM/kr



STATE OF UTAH  
NATURAL RESOURCES & ENERGY  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

April 7, 1983

Coseka Resources (USA) Limited  
P. O. Box 399  
Grand Junction, Colorado 81502

RE: Rescind Application for  
Permit to Drill  
Well No. 10-24-16-23  
Sec. 24, T.16S, R.23E  
Grand County, Utah

Gentlemen:

Approval of Application for Permit to Drill the above referenced well is rescinded without prejudice as of the above date in concert with action taken by Oil and Gas Operations.

If you intend to drill this location at a future date, a new application for permit to drill may be submitted for State approval.

Sincerely,

Norman C. Stout  
Administrative Assistant

NS/as